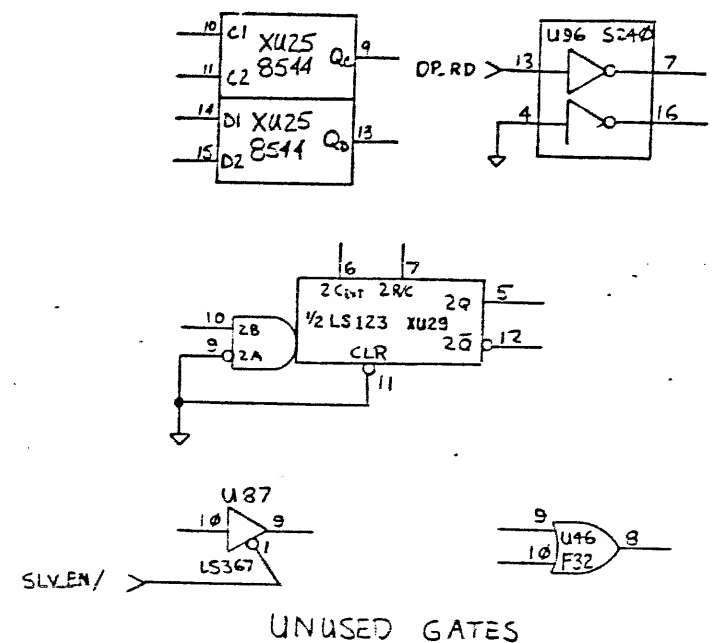
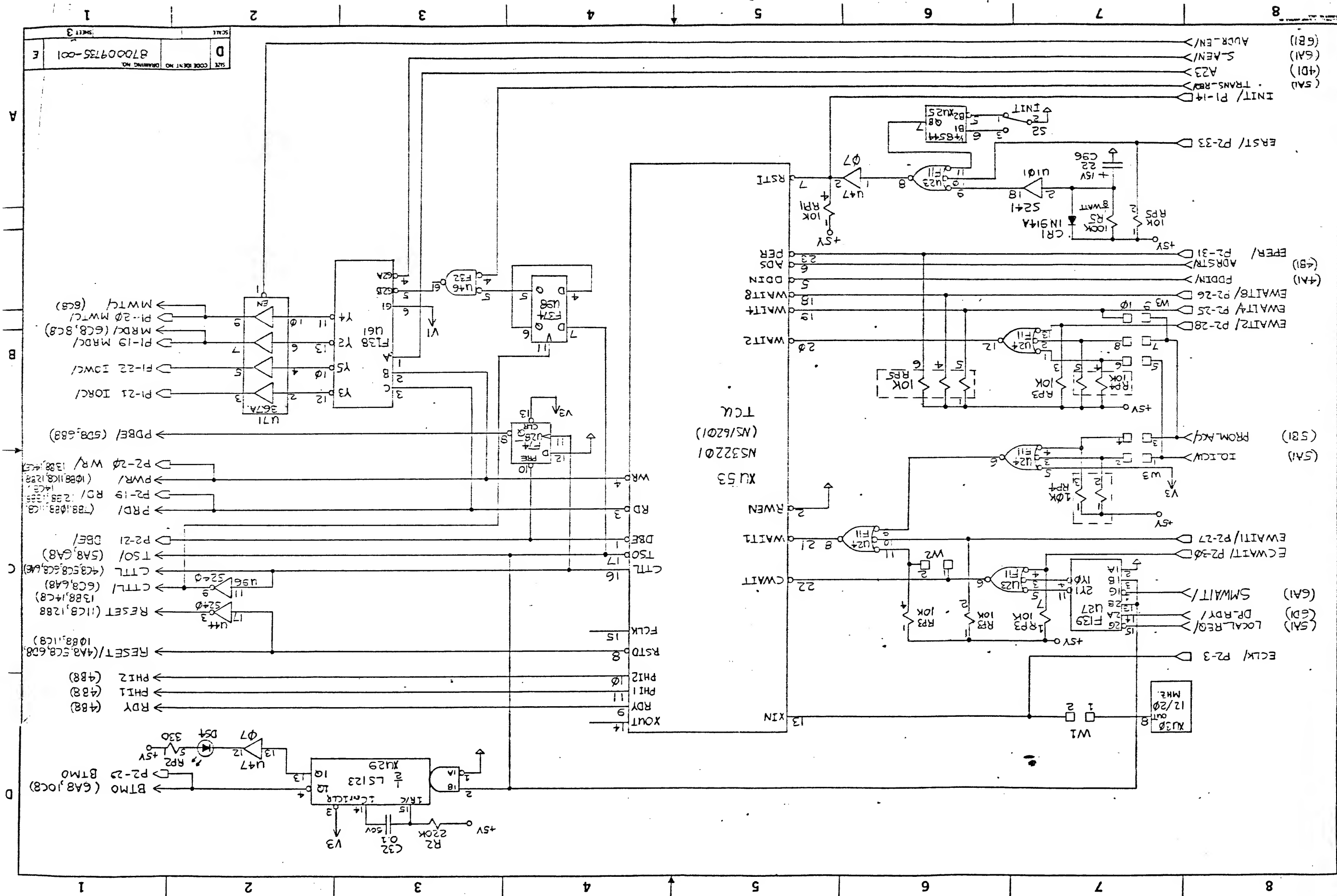


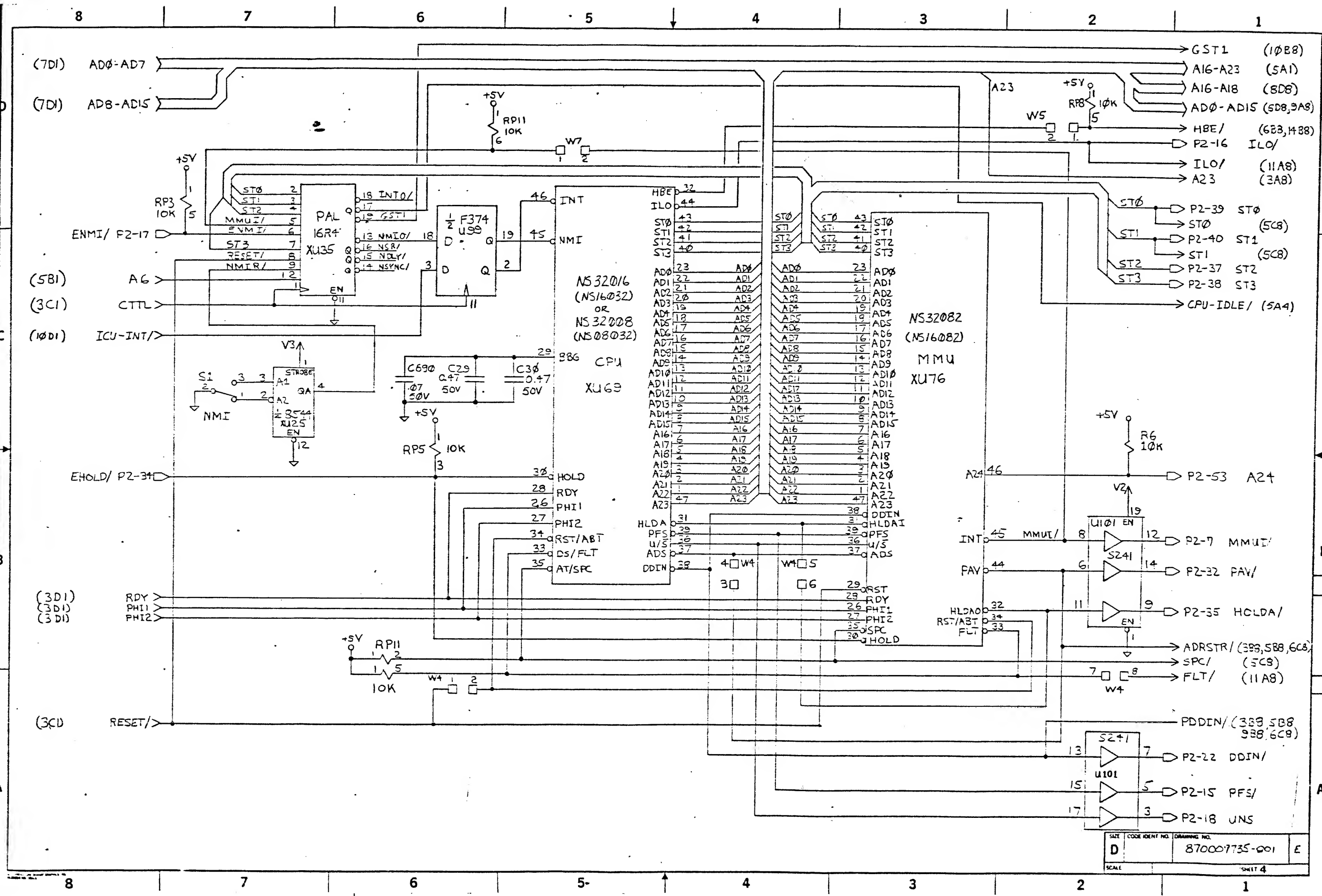
POWER CONNECTION TABLE				
DEVICE	REFERENCE	GND	+5V	+12V -12V
74LS123	U12, U14, U15, U16	10	20	
74LS125	U12, U15	7	14	
MC1488	XU10, XU11	7		14
PAL16R8A	XU15, XU16, XU17	10	20	
74LS241	U101	10	20	
74LS32	U14, U15, U16	7	14	
74LS128	XU15, XU18	14	20	
8255A-5	XU19	7	26	
8255A-5	XU20	12	24	
NS32282	XU21	20	40	
74LS92	XU22	10	5	
74LS11	U23, U24	7	14	
DM8544	XU25	8	16	
74LS64	U26	7	14	
74LS74	U28, U34, U35	7	14	
74LS123	XU29	8	16	
OSCILLATOR	XU30, XU32	7	14	
74LS161	U31	8	16	
74LS258	U36, U37, U38	8	16	
8255A	XU38-41, XU56-59	16	8	
74LS398	XU42	8	16	
74LS138	U43, U44	8	16	
74LS248	U44, U78, U96	10	20	
74LS87	U47	7	14	
74LS259	U49	8	16	
DM81LS95	U50	10	20	
DM8504	U51, U68, U86, U91, U92	10	20	
NS32281	XU52	12, 13	24	
NS32281	XU53	12	24	
PAL16R8A	XU54	10	20	
74LS373	U55, U65, U66, U102	10	20	
8251A	XU16, XU17	4	26	
74LS393	U60	7	14	
74LS88	U62	7	14	
74LS18	U63	7	14	
NS32281/6	XU69	24, 25	48	
63S1641	XU70	10	20	
DM74367	U71, U87	8	16	
74LS257	U72, U74, U75	8	16	
NS32282	XU76	24, 25	48	
PAL16L8A	XU77, XU93	10	20	
74LS157	U8, U13	8	16	
74LS148	U83	7	14	
74LS85	U84	8	16	
74LS248	U85, U89, U90	10	20	
MC1489	U91, U12	7	14	
DELAY LINE	U94	7	14	
74LS573B	XU97	9	18	
74LS374	U98, U99	10	20	
74LS139	U27	8	16	

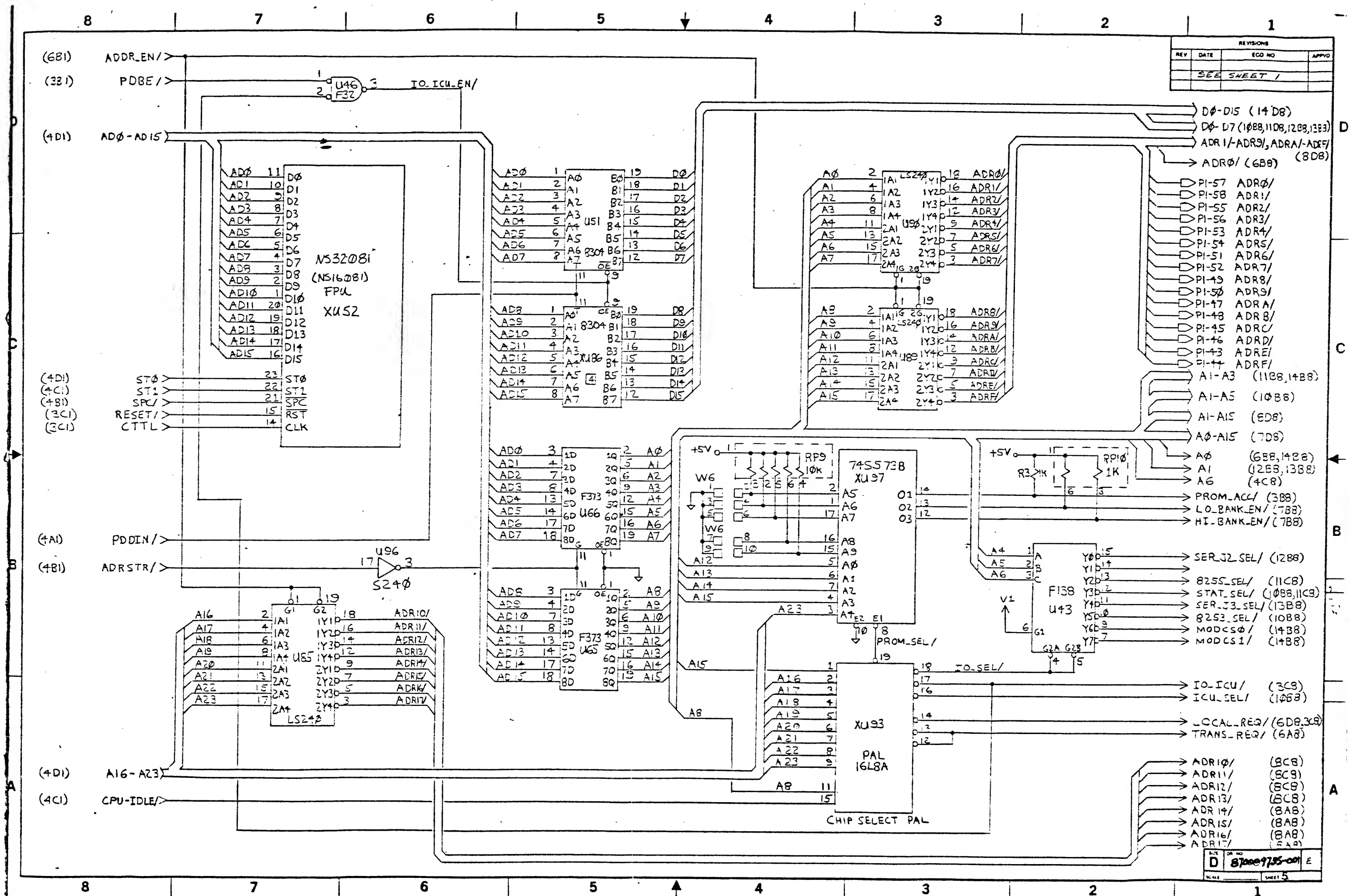
- NOTES: UNLESS OTHERWISE SPECIFIED.
- ALL RESISTOR VALUES ARE IN OHMS,  $\pm 5\%$ , 1/4 WATT.
  - ALL CAPACITOR VALUES ARE IN MICROFARADS,  $\pm 10\%$ ,  $\pm 20\%$ .
  - ALL INTEGRATED CIRCUITS ARE 74XXX SERIES.
  - WITH NS32281 CPU IN U69, INSTALL U86 & U88, REMOVE U64.
  - WITH NS32282 CPU IN U69, INSTALL U84, REMOVE U66 & U68.
  - U21 & U22 ARE MUTUALLY EXCLUSIVE, ONLY ONE CAN BE INSTALLED.

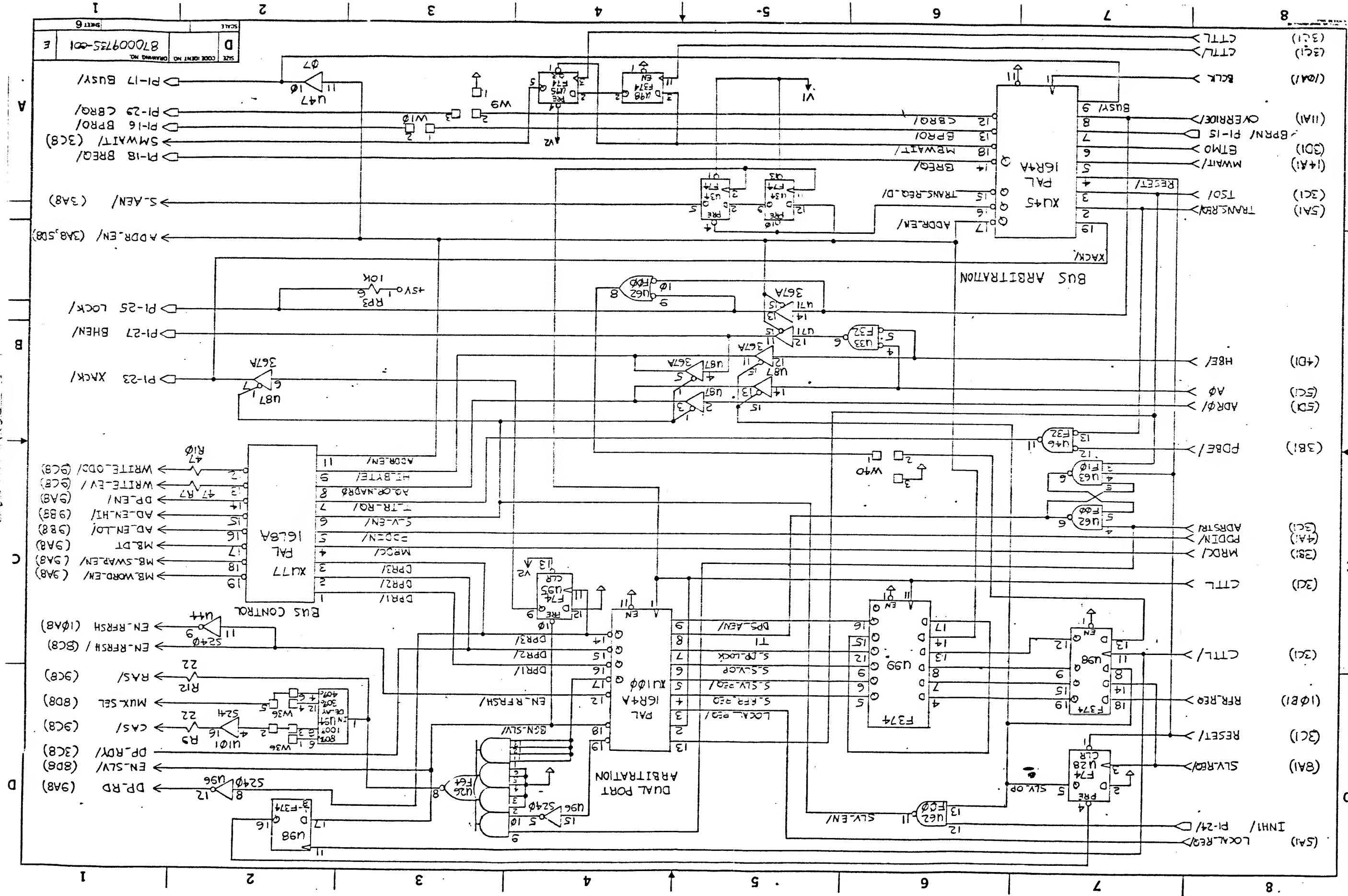


RESISTOR PACK CHART			
REFERENCE DESIGNATION	RESISTOR VALUE	PACKAGE # PINS/TYP	UNUSED PIN NUMBERS
RP4, 5, 9, 11	10K	6 / SIP	RP4-6, RP11-3
RP10	1K	6 / SIP	RP10-2, 4, 5
RP2	330	6 / SIP	RP2-3
RP3, 7, 8	10K	8 / SIP	RP3-7
RP12	47	16 / DIP	
RP6	10K	10 / SIP	RP6-10
RP1	4.7K	10 / SIP	



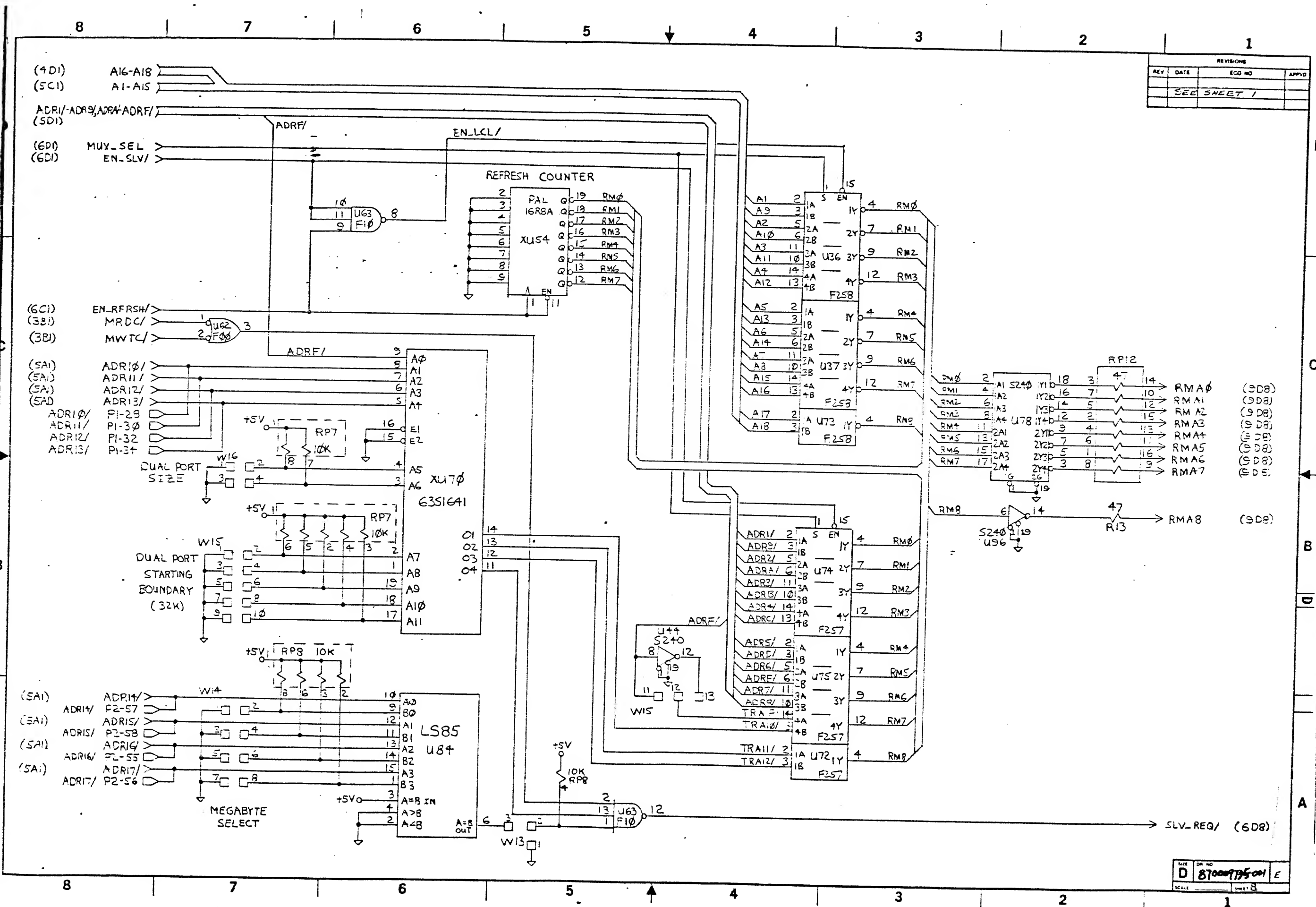






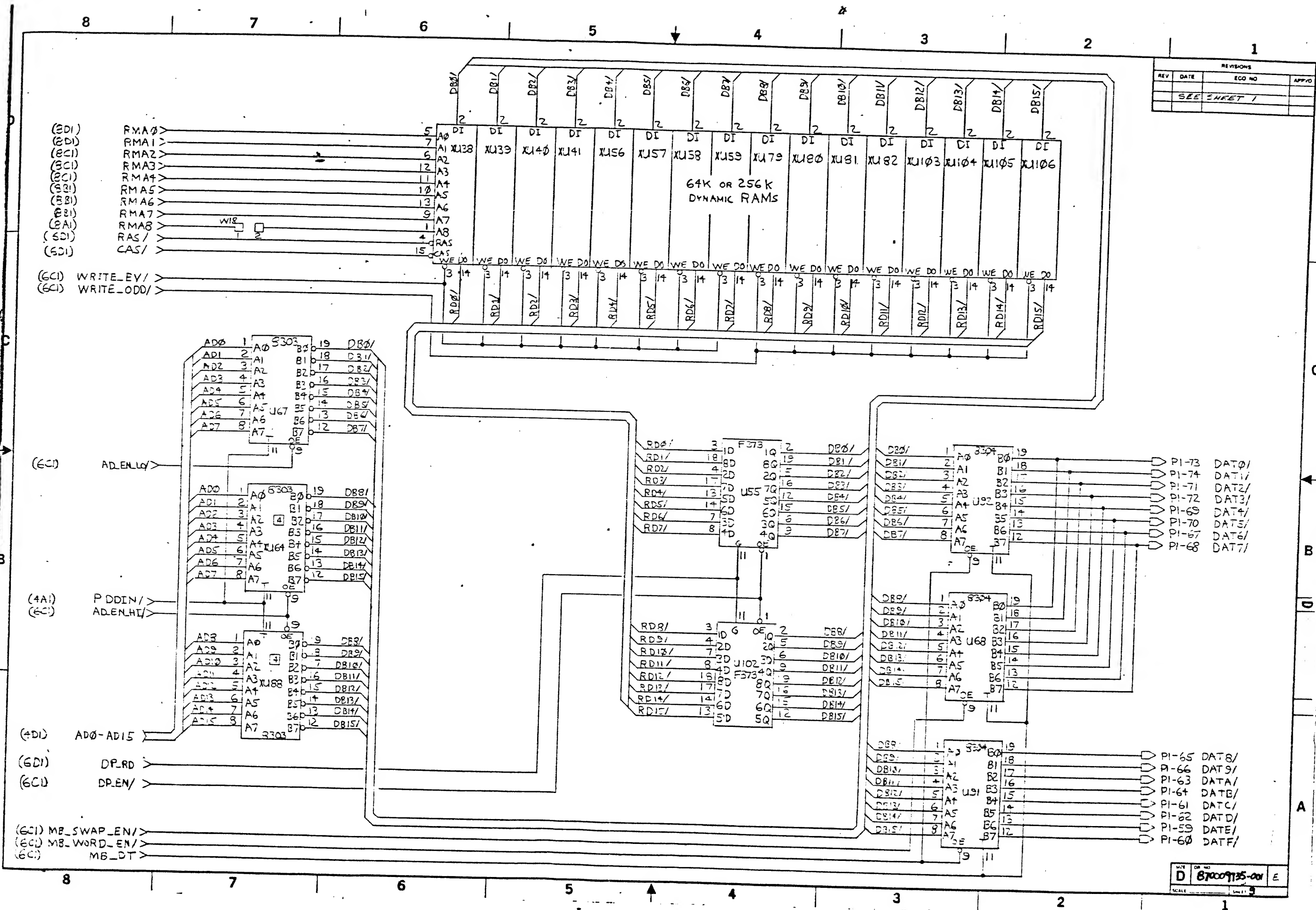






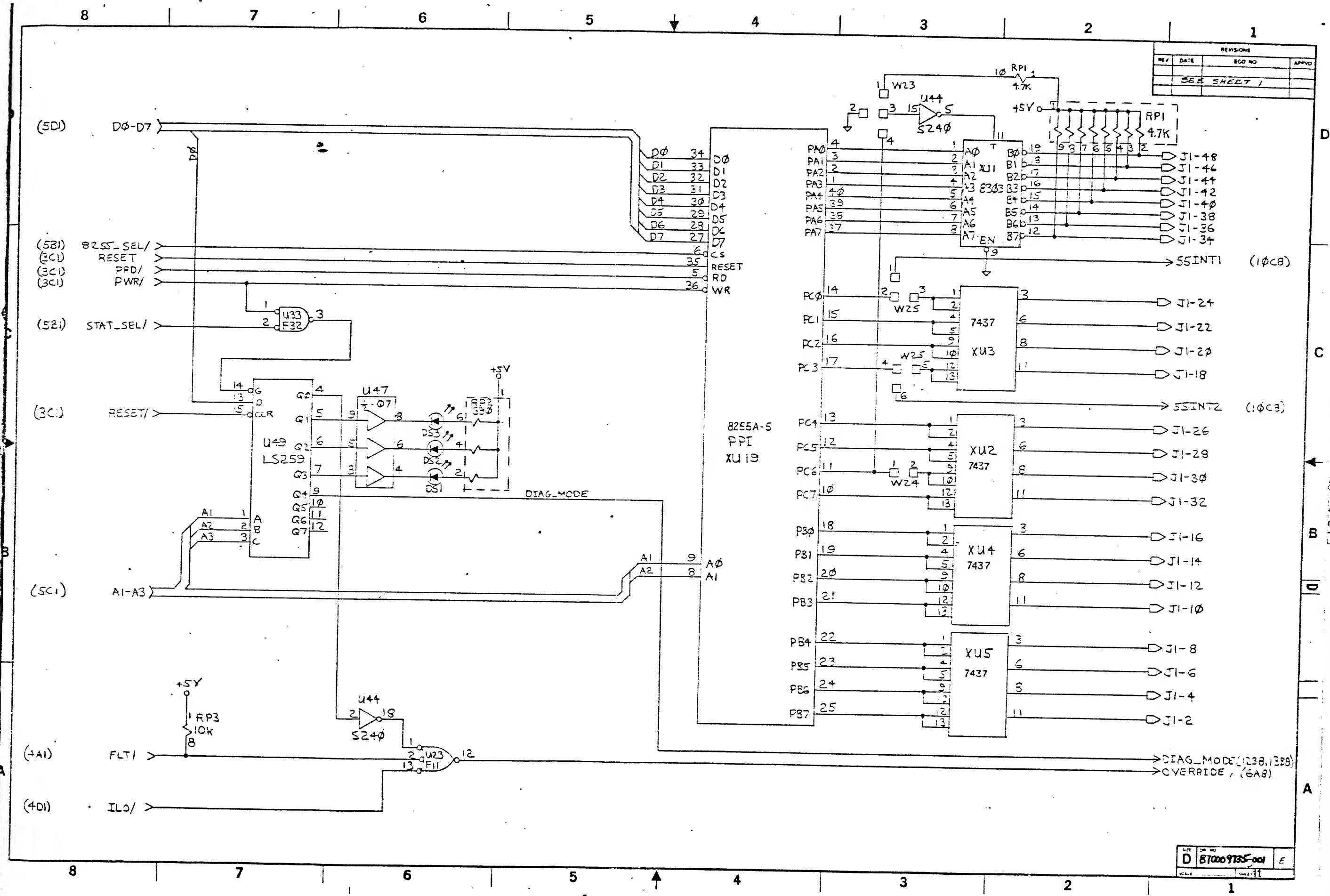
REVISIONS			
REV	DATE	ECO NO	APPRO
1	870007195001		



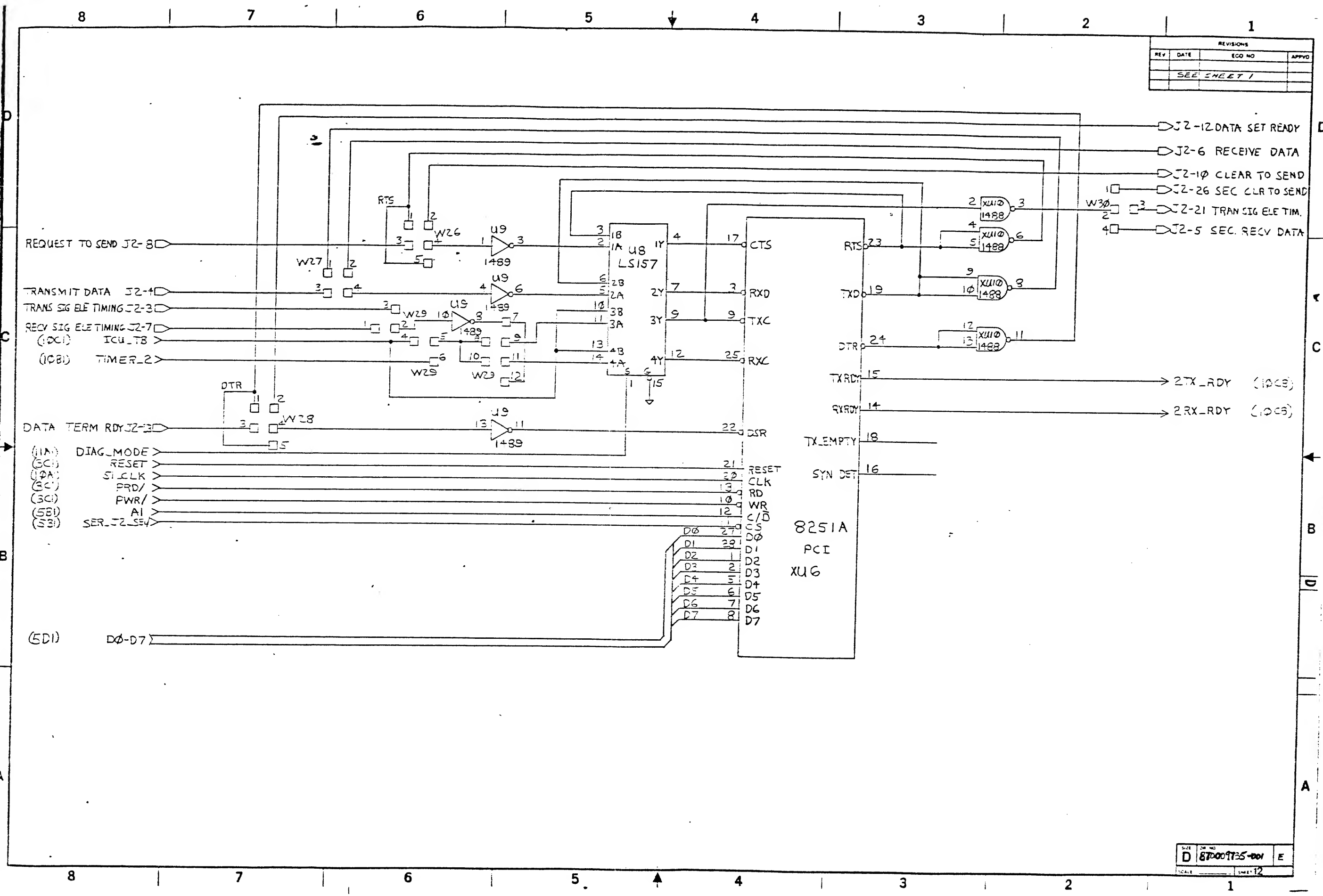


REVISIONS			
REV	DATE	ECO NO	APP'D
1	SEE SHEET 1		





REVISIONS			
REV	DATE	ECO NO	APPROV
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REVISIONS			
REV	DATE	ECO NO	APPRO
1	SEE SHEET 1		

